

Within the iMOTION(TM) IPM family, there are two different series: The IMM100 and IMI110, which combine the motor controller IC and a three-phase inverter stage in a single package, minimizing ...

Compact IPM series modules use an external shunt resistor for the OCP functionality. As shown in Figure 9, the emitters of all three low-side IGBTs are brought out to module pins.

New SLLIMM high power IPM extends voltage levels to 3-phase mains-powered motor drives with simplified design and reduced BOM. This new intelligent power module is part of the high power ...

This reference design illustrates a 250W high efficiency motor inverter without heat sink based on GaN IPM DRV7308, also demo a low standby power design with UCC28911.

Fuji Electric has developed a compact high capacity intelligent power module (IPM)*1 which is ideally suited for large capacity air conditioning systems, industrial inverters, and servo ...

Offering a large range of 3 Phase inverter modules covering power levels from 50 W to 10 kW. Available in different topologies including PFC and input bridge rectifier.

Each fault enables the SD open drain for a different time, as described in the following table.

This reference design shows the functionality of the three-phase inverter implemented using an IPM. A six-channel digital isolator based on capacitive technology is used for PWM isolation, and isolated ...

This series of Intelligent Power Modules (IPM) for 3-phase motor drives contains a three-phase inverter stage, gate drivers. The SPM 31 design objective is to provide a minimized package and a low power ...

A PFC+Inverter IPM (Intelligent Power Module) optimized for low power Drives is introduced. A three phase inverter and a single boost PFC stage are integrated in one single miniaturized DIL (Dual-In ...

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